

The Contest JUG



NEWSLETTER OF THE
NORTHERN CALIFORNIA CONTEST CLUB
44 Toyon Terrace
Danville, CA 94526
March 1988
No. 189

PRESIDENT: W6RGG
VP/CC: K4UVT
SEC/TREAS: VE2AQS
NCCC REPEATER: 147.24 (+600)

AWARDS: K6ZM
JUG EDITOR: W6SZN
DIRECTORS: KA6ING, WA6VEF, NV6Z,
W7MAP

AWARDS BANQUET!!

April 2, 1988
(March Meeting)

Pleasanton Hotel
855 Main Street
Pleasanton, California

(Same Room as Last Year, Plenty of Parking In Back)

No Host Cocktails at 6:00 P.M.
Dinner at 7:00 P.M.

MENU

London Broil w/Cabernet Sauvignon Sauce
OR
Breast of Chicken w/Mushrooms and Champagne Sauce

Crisp Green Salad
Red Skin Potatos
Fresh Vegetable
Hot Rolls
Chocolate Mousse
Beverage

\$17.00/person (includes tax and tip)

PLEASE RSVP TO:

KA6ING on 147.24 or 583-5333
OR
VE2AQS, 672-8523

NO LATER THAN SUNDAY, MARCH 27

* * *

ELECTION MEETING APRIL 15, 1988

(See The Prez Sez)

THE PREZ SEZ

March meeting in April you say! Yes, it's true. Due to a scheduling conflict, the only date available at the Pleasanton Hotel for our awards gala was April 2. Because so many people said that they had a super time there last year, the decision was made to add two days to the month of March this year. Why should February get all the attention?

The Awards Committee has promised to come up with a few special presentations to liven things up. Be sure to get your RSVP in to Louese or Bob as soon as you can.

The April meeting, a/k/a Election Night, will actually take place during the month of April. This one will be your basic NCCC beer and pizza evening. The Castro Village Round Table Pizza has set aside its private meeting room for us and a discount pricing scheme has been worked out for your pizza orders. Be sure to order your pizzas only through our Secretary/Treasurer, VE2AQS, to receive the reduced rate.

The Board of Directors has been fortunate enough to find six members interested in serving as officers of the Club. As the following listing shows, all positions are covered except that of Vice President/Contest Chairman.

| | |
|---------------------|--------|
| President | NV6Z |
| VP/CC | Open |
| Secretary/Treasurer | K6MA |
| Director | WZ6Z |
| Director | K6KLY |
| Director | VE2AQS |
| Director | K4UVT |

Also, agreeing to continue as chairmen of two standing committees are WA6VEF for the CQP and K6ZM for awards. In addition to the election, the meeting will also feature a live demonstration of the DX packet spotting network.

As is always the case, the floor will be open for nominations for all offices. If you want to take on the responsibilities of Club leadership or have someone you wish to nominate, your chance is coming soon. I hope to see you all at the awards and election meetings.

KB, Bob, W6RGG

(Happy Birthday Mr. Prezident!!)

-- from the real Jughead

RESULTS

1987 CALIFORNIA QSO PARTY

SPONSORED BY THE NORTHERN CALIFORNIA CONTEST CLUB



Thanks a Lot, Mother Nature!!!

October 3rd, 1987. 1600Z, the beginning of the 1987 California QSO Party (CQP). WWV reports the solar flux at 91, the A index at 26, and geomagnetic activity as unsettled. Band conditions are just plain HORRIBLE! Propagation on 10 and 15 meters is non-existent, while 20 sounds hollow and flat, with very few loud East Coast signals.

And, while band conditions are not so hot, the weather sure is, as a 100-plus degree heatwave rages through Central and Southern California, causing major discomfort to the portable and mobile expeditioners out putting on the rare CA counties. Meanwhile, back east in parts of New York and New England, one of the earliest winter snowstorms in history knocks out power on Sunday morning of the contest for many CQP participants.

If that's not enough, on Thursday morning, October 1st, just two days before the contest, a 6.1 magnitude earthquake rocks the Los Angeles area. Aftershocks of the quake continue into the CQP weekend, including a major one at 4 am on Sunday which rouses L.A. amateurs out of bed and onto the radio.

And, for several weeks before the CQP, a series of forest fires blacken thousands of acres of California timberland in the less populated northern and eastern counties of the state. With most campgrounds on "fire alert" status, it is with great difficulty that county expeditioners obtain permission to set up a tent, erect a ham radio station, and operate with a portable generator.

All in all, with the rotten propagation, lousy weather, earthquakes, and forest fires, one might come to the conclusion that Mother Nature does not want the 1987 CQP to happen!

A Well Attended Party

As unlikely as it might seem, the 1987 California QSO Party will be remembered for tremendous overall activity and record setting performances. No less than 319 logs (the most ever) were received from 56 of 58 CA counties, 48 states, 6 Canadian sections, and 8 DXCC countries. Thirty four entrants set new single operator scoring records during the weekend--23 of them outside California and 11 in the Golden State.

The high level of CW activity which characterized the 1986 Party continued in

the '87 contest. California stations were again able to maintain good code QSO rates for sustained periods of time--which added greatly to their scores as CW contacts are worth three points versus two points on phone. As such, it's no surprise that 52 entrants submitted logs which contained only code QSOs.

In fact, with all of the increased Morse activity, CQP operating strategies have changed significantly. CW operation has become so important that top scorers are now making between 20 and 35% of their total QSOs on the A1 mode, compared with 10 to 15% during CQP weekends of past years.

Band Conditions

Propagation was a combination of sweet and sour. Conditions on Saturday were miserable--10 and 15 meters were dead, and 20 was mediocre. Fortunately, things improved dramatically on Sunday, as 15 was open all day and 10 meters opened briefly to the East around 1900Z. A survey of the logs shows that stations located in the southern latitudes of the United States seemed to enjoy better conditions during most of the CQP weekend. Stations in the northern latitudes were competitive during the afternoon and evening hours, but had trouble working into California during the morning hours of the Party.

One interesting propagational phenomenon occurred on Saturday evening, when the MUF dropped so fast that 40 meters was pretty much useless by 0300Z. As a result of this drop, out-of-state participants QSYed to 80 and 75 meters earlier than usual for a CQP weekend. California stations who chose not to linger on 40 were treated to some fantastic 75/80 meter rates between 03 and 0400Z, while those who stayed on 40M too long and arrived after 0400 missed the peak of activity.

California Competition

Tops among the California single-ops was Larry "Tree" Tyree, N6TR, guest operating from superstation K6NA in San Diego Co. Tree's final score of 292K fell just three QSOs short of breaking the all-time CA single op record, which he himself set way back in 1981. The key to his victory was 20 meter sideband, where his 1,011 QSO total was 300 contacts higher than any other entrant in the Party! Tree walked away from competition on Sunday

morning, averaging no less than 119 QSOs per hour (most of them on 20 SSB) between 1300 and 1600Z!

Capturing second place among the CA single-ops was Dean Straw, N6BV, who finished with a fine 266K and a new Contra Costa County record. And, third place goes to Kurt Andress, NI6W, who piloted another San Diego County station, N6ND, to a 258 kilopoint finish.

Despite the extremely high overall level of activity in the '87 CQP, California scores were generally down a bit as compared to the '86 Party. The average Top Ten CA score declined from 223K in 1986 to 216K in 1987, a statistic which is probably best explained by the depressed band conditions on Saturday of the contest. However, eleven CA single-ops rose to the occasion and established new county scoring records. They are: K6RK, N6BV, WB6ITM, K6LRN, W6REC, WA6ZBX, K6AAW, N6TR (at K6NA), N1EE/6, WJ6Q, and KI6CG.

A special mention should also be made of the CW-only effort of Dave Hodge, AA6RX (guest operating from W6UE). Setting his sights on N6QR's 1986 record of 1,001 CW QSOs, Dave contacted 1,004 stations during the CQP weekend, ALL of them on the code model! Also, congratulations to N6NF, W6JTI, and W6UQF, who all cracked the California Top Twenty running 200 watts or less.

Among the California multi-operator entrants, first place in the multi-single competition belongs to KI6EZ and N6OP who operated with station owner Rich Cutler, WC6H, to a 184K finish from San Joaquin County. This is the third time in the past four years that Rich's station has captured top honors in this category. Taking the second spot with 129K was the K6SG Colusa Co. expedition effort, while WR6R and WZ6Z finished third with 124K.

Out-of-State Competition

Out-of-state single-op scores in the

Top Ten Band Breakdowns

Out-of-State

| Call | Score | 10S | 10C | 15S | 15C | 20S | 20C | 40S | 40C | 75S | 80C | 160S | 160C |
|---------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| K4XS | 118,726 | 33 | 7 | 193 | 44 | 283 | 85 | 146 | 42 | 64 | 25 | 0 | 0 |
| WX4G | 117,392 | 2 | 2 | 147 | 46 | 363 | 82 | 88 | 53 | 32 | 48 | 11 | 15 |
| NOBSH/9 | 102,828 | 0 | 0 | 136 | 33 | 313 | 58 | 190 | 23 | 74 | 12 | 0 | 0 |
| KV01 | 74,536 | 0 | 0 | 58 | 26 | 276 | 85 | 25 | 38 | 41 | 28 | 0 | 0 |
| N5JB | 73,872 | 0 | 0 | 47 | 24 | 299 | 72 | 77 | 32 | 6 | 17 | 0 | 1 |
| VE7SK | 72,561 | 0 | 0 | 11 | 13 | 252 | 57 | 61 | 46 | 45 | 36 | 17 | 15 |
| WD5K | 70,281 | 0 | 0 | 42 | 32 | 158 | 101 | 16 | 58 | 45 | 46 | 0 | 0 |
| KB9S | 69,141 | 0 | 0 | 98 | 22 | 188 | 77 | 83 | 28 | 26 | 13 | 0 | 1 |
| K4LTA | 65,448 | 0 | 1 | 87 | 42 | 190 | 62 | 8 | 71 | 9 | 26 | 7 | 11 |
| N6CQ/3 | 64,314 | 23 | 8 | 50 | 49 | 158 | 86 | 3 | 49 | 24 | 33 | 0 | 0 |

California

| Call | Score | 160S | 160C | 75S | 80C | 40S | 40C | 20S | 20C | 15S | 15C | 10S | 10C | VHF |
|---------|---------|------|------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| K6NA | 292,842 | 52 | 45 | 67 | 94 | 288 | 106 | 1011 | 141 | 317 | 97 | 62 | 0 | 3 |
| N6BV | 266,220 | 0 | 0 | 176 | 105 | 223 | 143 | 711 | 230 | 321 | 86 | 12 | 4 | 0 |
| N6ND | 258,796 | 14 | 19 | 123 | 81 | 164 | 158 | 688 | 228 | 385 | 82 | 0 | 0 | 5 |
| N6BT | 251,488 | 3 | 5 | 142 | 87 | 183 | 147 | 618 | 208 | 409 | 81 | 1 | 0 | 20 |
| W6AQ | 205,968 | 12 | 15 | 111 | 85 | 201 | 144 | 616 | 181 | 140 | 82 | 0 | 1 | 0 |
| W6REC | 199,578 | 20 | 22 | 145 | 85 | 82 | 120 | 380 | 183 | 273 | 133 | 1 | 0 | 6 |
| K6HIH | 186,296 | 26 | 22 | 112 | 108 | 37 | 124 | 440 | 208 | 173 | 82 | 2 | 0 | 0 |
| W6UE | 171,684 | 0 | 49 | 0 | 147 | 0 | 224 | 0 | 393 | 0 | 142 | 0 | 49 | 0 |
| NE6I | 170,404 | 0 | 0 | 93 | 83 | 72 | 195 | 251 | 189 | 173 | 111 | 9 | 2 | 1 |
| VE2AQS/ | 159,210 | 0 | 0 | 104 | 75 | 150 | 100 | 389 | 178 | 66 | 84 | 5 | 2 | 0 |

W6

1987 California QSO Party were simply out of sight. In a very, very close race for the top spot, first place goes to Jeff Bolda, WC4E, operating from K4XS in North Florida. Jeff's 118.7K score is, by far, the biggest tally ever made from east of the Mississippi. In fact, excepting N6TR/7's 1985 and 1986 efforts from Oregon, it's the biggest out-of-state CQP score ever made!

A look at Jeff's logs shows that he spent a lot of time calling CQ into California, and properly followed the flow of California activity as it shifted from band to band. Tied for the lead at sunrise on Sunday morning, Jeff benefitted the most from the good 15 meter band conditions on that day. He finished with 247 QSOs (42 more than any other entrant), and ultimately won the CQP on the strength of his 15 meter opening.

Landing in second place, just 11 SSB QSOs behind K4XS, was Bob Brockman, WX4G, who compiled 117.3K and a new record from the state of Georgia. Both WX4G and K4XS managed to snag all 58 California counties. However, third place finisher Mike Tessmer, NOBSH/9, who turned in a fantastic 102K score from Wisconsin, worked 57 CA multipliers, missing San Benito County. San Benito turned out to be the most hard-to-find county in the contest. Of the 21 stations who worked between 53 and 57 multipliers, 16 failed to find San Benito. Other troublesome ones, along with the

Special Awards

The Top Twenty--

Winners of a personalized bottle of California wine direct from the cellars of the Northern California Contest Club

California: N6TR, N6BV, NI6W, WA6VEF, WA6OTU, W6REC, K6HIH, AA6RX, NE6I, VE2AQS/W6, K6RK, K6AAW, N6NF, WX6M, W6JTI, W7CB/6, WA6ZBX, W6UQF, N6HC, and K6LRN.

Outside California: WC4E, WX4G, NOBSH/9, KV01, N5JB, VE7SK, WD5K, KB9S, K4LTA, N6CQ/3, K9BG, WAOAVL, KI0P, AA4GA, WA3PWL, W5ASP, WB9JKI, W3HDH, W2HG, and AA4NC.

* * * * *

Chairman's Award: CA single-op with the most CW QSOs--David C. Hodge, AA6RX.

CA mobile single-op or team with the most QSOs (sponsored by the Redwood Empire DX Assn.)--Dick Church, N4ARO, and Carl Gardenias, WU6D.

Low power champions (200 watts or less)

--California: Thomas E. Gehman, N6NF.

--Out of state: Thomas C. Johnson, WD5K.

Top Club in California (sponsored by the Palo Alto (CA) ARA)--California Institute of Technology ARC (N6TR, WA6OTU, AA6RX, and N6LL--681,970 pts.)

number of stations who missed them, included: Glenn (12); Sutter (10); Trinity (7); Lake and Monterey (5); El Dorado and Mendocino (3); Butte and Nevada (2); and Del Norte (1).

With all the W6 stations crowding the bands in the '87 Party, the average out-of-state Top Ten score rose from 68.0K in 1986 to 82.8K in 1987, far and away the highest average in the history of the contest. And, a score of 28K, good enough to squeeze into the Top Twenty in the 1986 CQP, would rank 33rd in the 1987 event! It's getting more and more competitive every year!

Congratulations to these single ops outside California who established new scoring records: K3HBP, WC4E (at K4XS), WX4G, AH6AZ, KB0C, KZ5D, KI0F, K5MK, KV0I, W5FS, W2HG, WA3PWL, W5TZN, N6CQ/3, KD0EE, K4LTA, N5JB, KE7KF, W4JVV, NOBSH/9, VE2EDK, VE3KK, and VE7SK. As well, special mention should be made of WDSK's Top Ten finish, an effort achieved running a TA33-JR, wires, and an output power of 150 watts! The most competitive states in '87 were New York and Wisconsin, where three stations (W2HG, KQ2M, and NQ2O in NY; NOBSH/9, KB9S, and NG9L in WI) all broke the existing single op record.

California County Expeditions

Again this year we say "Thank you very much!!!" to the folks who pack up their radios and antennas and journey off to the hinterlands of California to activate those rare CA counties. Without the efforts of these fixed portable and mobile expeditioners, it would be very, very difficult for out-of-state stations to achieve big county multiplier totals. They are:

Gary, WA6VEF, guest operating from portable station N6BT in Kings County, who finished fourth in California and first among the single-op county expeditions with 251 kilopoints. This "Field Day style" set-up, masterminded by Tom, N6BT, featured long boom monobanders on 40 through 10, generator power, and two complete stations (including a Henry 2K amplifier) set up in an RV . . . N6VV, K6XV, K6PJY, K3EST, and K6XO, who carted monobanders, generators, and rigs with amps to a difficult-to-get-to site at the Tuolumne/Alpine/Mono county lines. Their 239K is the top multi-op expedition score, as well as the first place California multi-multi . . . Dick, N4ARO, and Carl, WU6D, who set a new all-time mobile QSO record with 705 contacts from San Bernardino, Riverside, and Orange Counties . . .

and KI6CG in Tulare . . . N6GC, N6KOI, and N6IR at "Four Corners," the county lines of Merced, Mariposa, Stanislaus, and Tuolumne . . . W6TVP in Plumas and Lassen . . . WA6ZBX in Mono . . . N6NKN/mobile on a CQP tour of 10 Southern California counties . . . W6BSY

in Sutter . . . N1EE/6 in Sierra . . . K6SG, KF6A, KV6H, and KI6PL in Colusa Co. . . . N6NKT in Inyo . . . KS6H and N6ZB in Merced . . . K6MO and N6KG operating maritime mobile from a four-county spot in the middle of San Francisco Bay . . . N6LL in Kern . . . K6XO/mobile in seven counties, among them some of the most sought after in the Party . . . WJ6Q in Siskiyou . . . K6AAW in Plumas . . . and K6TMB and W6SZN operating a two man, two transmitter multi-multi from Placer.

A Few Words About the Rules

There appears to be a major bit of confusion over how to log California stations who operate portable or mobile from a county line location. The procedure in this situation is simple: the station counts as one QSO, and may (for out-of-state entrants) be claimed as a multiplier for any or all of the counties he gives out in his exchange. As an example, a 15 meter SSB QSO with N6VV at the county lines of Tuolumne, Alpine, and Mono, would count for one QSO, worth two points, and three potential county multipliers.

All of the 1987 CQP logs were checked on this point, and scores were reduced if an entrant claimed multiple QSO credit for California stations on a county line. For example, if someone claimed three QSOs for a 15M SSB N6VV contact, two of the three contacts were deleted from his log. (One important note--CA stations that CHANGE counties during the CQP may be worked again for contest credit.)

Another problem occurred with QST's paraphrasing of the official CQP rules. Unfortunately, they mistakenly reported that, for W6 stations, states, provinces, AND CA counties count as multipliers. As a result, more than a few logs were received with ASTOUNDING multiplier totals, which upon closer inspection, had to be adjusted to reflect the actual CQP rules.

The "Worked All California Counties" Award

The Northern California Contest Club is pleased to announce its sponsorship of the new "Worked All California Counties" Award. This award, a handsome certificate suitable (of course) for framing, is available to any amateur who submits proof of contacts with all 58 California counties. All QSOs for the award must be made after October 1st, 1987, so QSL cards for contacts made during the 1987 CQP may be applied toward the certificate.

For a complete set of rules and a list of California counties, check out the last page of this CQP write-up.

The People Who Do the Work

There's no doubt about it--the

California QSO Party is the premier state QSO Party on the contest calendar. The big turnout in an event like this is the direct result of lots and lots of dedicated work and effort. The Northern California Contest Club would like to acknowledge these amateurs for their contribution to the success of the 1987 CQP: Assistant Chairmen W6REC and NV6Z, who, along with WW6D, K6LRN, NU6S, WE6G, K6MBV, and K6SG, all served to co-ordinate NCCC and Northern California CQP activity; N6ADI and N6TR who co-ordinated CQP participation in the Southern California Contest Club; NV6Z, KI6EZ, WA6AHF, KA6ING, and W6BSY for helping with publicity; N6EK for his many hours of fine work on the certificates and mailing lists; W6SZN for maintaining the CQP all-time records list; W7MAP for helping with photocopying; W6OSP for procuring the wine awards; and N6BT for handling the CQP T-Shirt project.

In addition, NCCC wishes to thank these fine folks who graciously provided mailing labels for the pre-contest publicity campaign: K5ZD of the National Contest Journal; W3HDH of the Nittany (PA) Amateur Radio Club, organizers of the Pennsylvania QSO Party; KB6ZV, Pacific Division Director of the ARRL; N6AUS of the Northern California DX Club; and NK6A of the Southern California DX Club.

Mark Your Calendar!

Don't miss the next running of the California QSO Party, scheduled for October 1st and 2nd, 1988.

If you'd like to receive a CQP '88 paperwork packet containing rules, a master log and summary sheet, contest records, and official county abbreviations, just send an SASE to Gary Caldwell, WA6VEF, 1830 Polk Street, Concord, CA 94521. The packet will be mailed to you approximately a month prior to the CQP weekend.

See you in the contest!

73,



Gary Caldwell WA6VEF
1987 CQP Chairman

Soapbox

Out-of-State.....

An 80m inverted-vee in the trees WILL load on 40m (kind of). Many thanks to the patient operators on the other end.

(WA7NWL) . . . Blizzard hit early AM Sun 4th. Wait till NEXT year when I don't have trees on most antennas! (NC1E) . . . In my judgement the California QSO Party is the best of all, and from what I hear on the air, it's getting bigger and better every year. (KY5M) . . . Heard only 1 station on

40, heard several on 75 but they didn't hear me! (WL7K) . . . K4XS was running them about 1 or 2 a minute on 75 phone and I COULD NOT hear the stations he was working--wonder what his antennas are? (K9BG) . . .

Had the rig all warmed up and tuned, and at about 1555 hit the rotator switch to swing the 20 meter beam to the west. It rotated to the North position and stopped! So, spent the first 45 minutes (of the contest on the tower) fiddling with the rotor and thrust bearing (W0JTC) . . . A great event! Many W6 stations and I did better than last year! (K1CLN) . . . I must say thanks to the little guns who are just there to give out contacts for the big guns. Thanks guys--without the little guns there would be no war. (K10F) . . . N6VV/6 and N6GC, both sitting on county lines, sure helped my county total. I do not recall hearing any county that I did not work. (W0NGB) . . . I hope I am drinking a bottle of your fine wine before too long. (KV0I) . . . Rotten conditions and broken radio. I fixed one, but not the other! (AE7K) . . .

And from California.....

At 2358Z on Saturday my driver tube breathed its last. Last year one of the diodes in my power supply went. See you in '88 with healthy equipment, I hope. (K6DYP) . . . This was my first "Field Day" operation all by myself. Found out it's kinda difficult to get a yagi in the air without help. (N6LL) . . . Hats off to the unusual expedition stations dropping anchor or tower base on a multi-county corner. But what a pain to pull all that information out of a noise level signal on crowded 20 MTRS! (AA6RX) . . . Working conditions much better than last year--no snow!! Operated out of back of camper-shell, not much head room. (K6AAW) . . .

I actually believe Saturday afternoon (produced) the worst contest conditions I've ever seen. (W6UQF) . . . Working a W6 with a higher total motivates you to work harder. Working 4 or 5 out-of-state stations with higher totals is just plain DEPRESSING! (N1EE/6) . . . Battery power, wire antennas, and a magnificent view of Mt. Shasta. My first attempt at a county record. (WJ6Q) . . . I had a lot of fun, thought I would never reach 100 QSOs, but sure was pleased when I did. A dipole and 100 watts has a hard time competing against beams and kilowatts, but it's still fun for an old timer (67 years) new in the ham business (18 months). (K16PG) . . . Being located exactly on the four county lines of Mariposa, Merced, Stanislaus, and Tuolumne proved to be more of a hindrance than a help. We spent nearly a quarter of our time explaining our location! (N6GC/6) . . . My first serious attempt at contesting. It was a blast!! (N6NKN/M).....SK

Final Scores

Call, score, total QSOs, total CW QSOs (in parentheses), multiplier. An * = new single-op contest record; (M/S) = multi-single; (CE) = single-op CA county expedition; (MCE) = multi-op CA county expedition; /M = mobile.

California

Alameda
N6EK 79,713 527 (509) 51
W6RGG 58,896 409 (409) 48
K6MBV 24,612 202 (182) 42
W6MFZ 24,480 160 (160) 51
K6CSL 10,830 140 (81) 30
W6G 8,646 122 (18) 33
K6SIX 6,552 117 (0) 28
WAOYQM 1,512 38 (32) 14
K6ARE 147 7 (7) 7
WR6R (+W26Z) (M/S)
124,468 941 (264) 58

Alpine/Mono/Tuolumne
N6VV (+K6XV, K6PJY, K6XO,
K3EST) (MCE)
239,856 1820 (568) 57

Amador
K6BPB 31,995 237 (237) 45
N6GG 2,176 56 (16) 17
K6XO/M 60 6 (0) 5

Butte
K6HTM 12,388 163 (0) 38

Calaveras
*K6RK 145,264 1067 (460) 56
K6XO/M 40 5 (0) 4

Colusa
K6SG (+K6FA, K6VH, K16PL) (MCE)
129,862 940 (359) 58

Contra Costa
*N6BV 266,220 2011 (568) 58
VE2AQS/W6
159,210 1153 (439) 58
K6ZM 88,715 671 (271) 55
AK6T 14,948 143 (118) 37
K6DYP 8,960 111 (58) 32

Contra Costa/Marin/Sonoma/Solano
K6MO/Maritime Mobile (+N6KG)
38,594 313 (213) 46

Del Norte
K6HY 38,478 292 (142) 53

Fresno
*WB6ITM 35,427 343 (37) 49

Glenn
K6XO/M 544 16 (2) 16

Humboldt
W6JTI 119,680 815 (546) 55

Imperial
NR7O 8,961 103 (103) 29
N6NKN/M 896 28 (0) 16

Inyo
N6NKT (CE)
30,184 308 (0) 49
N6NKN/M 180 10 (0) 9

Kern
N6LL (CE) 11,476 151 (0) 38
KA6CZS 8,140 110 (0) 37
N6NKN/M 200 10 (0) 10

Kings
N6BT (WA6VEF op) (CE)
251,488 1904 (528) 58

Lake
KR6G 12,464 164 (0) 38

Lassen
K6JKC 19,494 193 (127) 38
W6TVP/6 (CE)
4,704 56 (56) 28

Los Angeles
W6AQ (WA6OTU op)
205,968 1586 (506) 56
W6UE (AA6RX op)
171,684 1004 (1004) 57
NE6I 170,404 1179 (580) 58
N6HC 105,894 868 (225) 54
N6IBP 34,075 257 (221) 47
WB6VVS 11,970 146 (107) 30
KG6VI 9,384 102 (0) 46
N6IC 1,805 38 (19) 19
N6NKN/M 162 9 (0) 9

Madera
KD6FW 59,904 576 (0) 52

Marin
*K6LRN 102,030 692 (406) 57
W6ZQK 1,100 25 (0) 22

Mariposa/Merced/Stanislaus/
Tuolumne
N6GC/6 (+N6KO1, N6IR) (MCE)
64,896 486 (276) 52

Merced
KS6H (+N6ZB) (MCE)
87,000 600 (300) 58

Modoc
*W6REC 199,578 1450 (541) 58

Mono
*WA6ZBX (CE)
111,216 993 (0) 56

Monterey
WD6EKR 16,290 181 (0) 45

Napa
W6FSJ 70,675 512 (261) 55

Nevada
WA6AUE 87,267 604 (323) 57

Orange
N6PE 63,282 479 (236) 53
W6SX 37,490 280 (255) 46
WA6FIT 33,150 325 (0) 51
NG7D/6 14,362 130 (74) 43
N6OKX 7,326 111 (0) 33
N4ARO/M (+WU6D)
2,500 56 (13) 20
N6NKN/M 40 5 (0) 4

Placer
W6RFF 19,800 165 (165) 40
K6TMB (+W6SZN) (MCE)
87,416 660 (241) 56

Plumas
*K6AAW (CE)
126,266 920 (337) 58
W6TVP/6 (CE)
12,312 114 (114) 36
KF7AM/6 3,363 59 (59) 19
KA6HVV 1,980 46 (7) 20

Riverside
N6MZH 8,742 141 (0) 31
N4ARO/M (+WU6D)
7,192 98 (36) 31
N6NKN/M 918 27 (0) 17

Sacramento
N6JV 70,941 516 (359) 51
K16O 46,365 386 (72) 55
KX6Z 16,040 141 (119) 40
KG6XX 4,640 80 (0) 29
W6NKR 2,310 35 (35) 22
KBTFR 600 20 (0) 15
K6XO/M 84 7 (0) 6

San Benito
WU6Y 4,374 54 (54) 27

San Bernardino
W6HAL 79,768 610 (314) 52
N4ARO/M (+WU6D)
71,390 551 (196) 55
N6NKN/M 180 10 (0) 9

San Diego
*K6NA (N6TR op)
292,842 2283 (483) 58
N6ND (N16W op)
258,796 1947 (568) 58
W6UQF 106,419 704 (459) 57
WA6UFY 10,480 118 (26) 40
N6NKN/M 532 19 (0) 14

San Francisco
K4TKM/6 35,673 254 (251) 47
K6ILM 22,554 220 (97) 42

San Joaquin
W6FAH 25,344 264 (0) 48
WC6H (+K16EZ, N6OP) (M/S)
184,672 1424 (336) 58

San Luis Obispo
W7CB/6 117,334 876 (271) 58
WB6HJW (+WA6MSN, KB6JST) (M/S)
105,618 751 (319) 58

San Mateo
N6NF 123,530 906 (434) 55
K6KLY 57,600 576 (0) 50
W6OAT 47,564 401 (232) 46
N6AN 29,385 223 (207) 45
N6NRZ 19,393 233 (7) 41
AA6DV 13,338 117 (117) 38
W6ISQ 3,975 53 (53) 25
K6QE2 (WAOYQM op)
1,680 35 (0) 24

Santa Barbara
WA6FGV 78,138 568 (311) 54
AC6T 25,543 223 (177) 41

Santa Clara
W6XB 74,196 563 (248) 54
AD6E 67,626 442 (442) 51
WC6I 29,799 231 (231) 43
N6XI 6,592 78 (50) 32
W6UR 1,494 32 (19) 18
WB6EXW 1,152 36 (0) 16

Santa Cruz
NS6V 53,601 415 (221) 51

Shasta
WB4GSS/6 2,616 44 (21) 24
WB6SRQ 2,288 52 (0) 22

Sierra
*N1EE/6 (CE)
56,056 413 (252) 52

Siskiyou
*WJ6Q (CE) 37,050 294 (153) 50
WB6MBF 10,220 109 (74) 35

Solano
K6HIH 186,296 1334 (544) 58
WX6M 122,438 1054 (3) 58
KA6BTU 414 23 (0) 9

Sonoma
K6BW 51,695 378 (299) 49
WW6D 28,485 211 (211) 45
KD6GC 20,295 191 (113) 41
N6OJ/ORP 10,608 156 (0) 34

Sutter
K6XO/M 476 17 (0) 14

Tehama
KA6TFC 68,640 624 (0) 55
WB6KOE 1,575 37 (1) 21

Trinity
WA6ZUD 19,080 180 (0) 53

Tulare
*K16CG 89,552 772 (0) 58
W6IFC 19,092 148 (148) 43
N6NKN/M 160 10 (0) 8

| | | | | |
|--|---|--|---|---|
| Tuolumne KI6PG K6XO/M | 3,952 252 | 104 14 | (0) (0) | 19 9 |
| Ventura W6TKF N6VR N6NKN/M | 23,535 12,751 0 | 200 130 1 | (123) (51) (0) | 45 41 0 |
| Yolo K6XO/M | 320 | 14 | (4) | 10 |
| Yuba W6BSY(CE) | 35,412 | 295 | (91) | 52 |
| Out of State | | | | |
| Alabama N4JF | 4,185 | 50 | (35) | 31 |
| Alaska WL7K NL7D | 5,776 180 | 76 10 | (0) (0) | 38 9 |
| Arizona AK7J WA7NWL | 1,440 544 | 24 16 | (8) (0) | 20 17 |
| Arkansas WU5A KY5M | 9,312 966 | 97 23 | (0) (0) | 48 21 |
| Colorado KA1MPF/0 KA1OWM | 3,600 1,134 | 50 22 | (0) (19) | 36 18 |
| Connecticut WA1FCN NC1E K12Z K1BV N1CC K1KI K1TN | 21,500 19,866 15,867 9,990 3,051 672 390 | 188 164 151 106 50 16 13 | (124) (134) (67) (58) (13) (16) (13) | 43 43 43 37 27 14 10 |
| Delaware *K3HBP | 17,480 | 140 | (100) | 46 |
| Florida *K4XS (WC4E op) KN4Y K04J N4OKD N4LC WK4F K4GF | 118,726 14,391 9,424 5,518 5,490 2,250 714 | 922 123 105 62 61 45 21 | (203) (123) (38) (54) (61) (0) (0) | 58 39 38 31 30 25 17 |
| Georgia *WX4G AA4GA K4BAI | 117,392 49,816 30,624 | 889 400 232 | (246) (158) (232) | 58 52 44 |
| Hawaii *AH6AZ | 25,208 | 223 | (102) | 46 |
| Idaho N7HJM | 20,482 | 159 | (100) | 49 |
| Illinois K9BG WA0AVL WB9JKI K9ZO KD9OT K9HRC KA9IMX | 61,674 61,560 44,202 9,720 9,072 1,890 288 | 444 450 324 108 108 35 12 | (192) (180) (186) (54) (0) (35) (12) | 57 57 53 36 42 18 8 |
| Indiana *KB0C AJ9C KD9BG NU9C | 37,692 35,424 8,686 1,134 | 349 272 101 27 | (0) (112) (0) (0) | 54 54 43 21 |
| Iowa W0JTC K0SRL | 10,212 2,782 | 92 50 | (92) (7) | 37 26 |
| Kansas NOFMR WA0TKJ | 23,985 3,630 | 195 50 | (143) (10) | 45 33 |
| Kentucky WA4EBN N4OHV WA4VAP | 18,576 6,232 2,346 | 148 82 47 | (91) (0) (8) | 48 38 23 |
| Louisiana *KZ5D | 38,988 | 310 | (102) | 54 |
| Maine KC1BS KA1EAP | 3,416 408 | 61 17 | (0) (0) | 28 12 |
| Maryland/DC W3HQU W3DYA W4KM NN3SI (W4KM op) | 30,645 5,022 1,890 1,380 | 227 54 30 26 | (227) (54) (30) (17) | 45 31 21 20 |
| Massachusetts NB1B KB1VL KA1DWK K1CLN | 16,125 13,480 8,679 8,085 | 145 113 97 101 | (85) (111) (69) (29) | 43 40 33 35 |
| Michigan W8WVU WA8OJB K8KIR | 16,851 11,400 1,449 | 137 124 23 | (137) (52) (23) | 41 38 21 |
| Minnesota *KI0F K0OSW W0NGB | 52,839 11,700 7,182 | 421 119 63 | (85) (62) (63) | 57 39 38 |
| Mississippi *K5MK N5KGY | 23,688 10,086 | 200 123 | (104) (0) | 47 41 |
| Missouri W0OARX | 5,940 | 55 | (55) | 36 |
| Montana N7HPU | 1,672 | 38 | (0) | 22 |
| Nebraska *KV0I AK0G N0GMR NF0N WA0BOK | 74,536 24,531 11,520 5,940 2,900 | 577 190 128 60 50 | (177) (101) (0) (60) (0) | 56 51 45 33 29 |
| Nevada NC7K AE7K | 31,824 900 | 268 25 | (88) (25) | 51 12 |
| New Hampshire KB1PZ | 48 | 4 | (4) | 4 |
| New Jersey NJ2D W2KHT WA2UDT W2NZH W2GD NR2I | 18,568 11,088 10,824 10,212 4,256 60 | 172 119 115 92 51 5 | (78) (70) (34) (92) (50) (5) | 44 36 41 37 28 4 |
| New Mexico *W5FS | 20,636 | 163 | (143) | 44 |
| New York *W2HG KQ2M NQ2O N2UN WA1KKM N2AZS W2DW W2KTF KA2MYJ W2WSS WB2TKD | 41,184 34,169 30,879 13,299 11,448 5,049 4,929 4,320 3,159 3,078 2,580 | 337 270 245 120 125 51 53 45 42 38 43 | (118) (187) (167) (101) (68) (51) (53) (45) (33) (38) (0) | 52 47 47 39 36 33 31 32 27 27 30 |
| North Carolina AA4NC KF4GW KA4OVZ KJ4TI | 40,800 5,832 4,278 3,190 | 342 81 46 55 | (132) (0) (46) (0) | 50 36 31 29 |
| North Dakota *WA3PWL KK0Q | 49,000 4,680 | 384 52 | (107) (52) | 56 30 |
| Ohio WB8RD N8IQ K8SCH (N8FU op) | 30,899 17,280 13,020 | 243 144 122 | (97) (144) (66) | 53 40 42 |
| Oklahoma *W5TZN | 27,650 | 254 | (45) | 50 |
| Oregon KA7KDJ | 29,484 | 273 | (0) | 54 |
| Pennsylvania *N6CQ/3 W3HDH K3IPK KC3M W3ARK K3ONW KR3C N3RJ K3TK KA3PMW KY3M N3FAW KA3PKN WB3IFE KA3IUA WA3JXW | 64,314 43,248 25,944 24,975 24,017 19,320 8,976 8,364 7,752 4,114 3,828 3,780 1,368 1,250 630 27 | 483 321 207 211 199 178 106 90 85 48 44 54 36 25 21 4 | (225) (206) (150) (133) (113) (127) (52) (66) (58) (25) (44) (0) (0) (0) (0) (1) | 54 51 46 45 47 40 34 34 34 29 35 19 25 15 3 |
| South Carolina K4ADI WB8CNL | 13,188 11,172 | 146 116 | (22) (62) | 42 38 |
| South Dakota *KD0EE KOERM | 20,539 15,639 | 184 142 | (69) (117) | 47 39 |
| Tennessee *K4LTA KV4F AB4CA | 65,448 21,009 13,000 | 501 177 122 | (210) (93) (81) | 54 47 40 |
| Texas *N5JB WD5K W5ASP W5ADTK WV5K N4DW W0WT WF5E W5NR WA8YWK N5COP W5PWG WA5IYX | 73,872 70,281 44,785 34,150 21,761 21,168 17,261 15,880 15,846 13,284 12,420 12,169 4,900 | 575 498 364 272 173 160 159 157 142 108 110 102 70 | (146) (237) (117) (139) (117) (112) (103) (83) (133) (108) (56) (79) (0) | 57 57 53 50 47 49 41 40 38 41 45 43 35 |
| Utah *KE7KF WB7TJI | 24,860 4,814 | 226 67 | (0) (32) | 55 29 |
| Vermont *WA1JVV K2LE/1 | 24,104 12,546 | 196 113 | (132) (80) | 46 41 |
| Virginia W4XD W9LT/4 | 17,040 3,075 | 142 44 | (142) (35) | 40 25 |
| Washington N7JB WB7CLU K7SS W7IIT K7WA K7LXC | 19,023 16,560 13,440 7,650 2,064 1,200 | 152 180 132 75 29 31 | (69) (0) (72) (75) (28) (13) | 51 46 40 34 24 16 |
| West Virginia NR8A WBVEN | 4,050 1,656 | 57 36 | (21) (0) | 30 23 |
| Wisconsin *NOBSH/9 KB9S NG9L WB9QFX NA9M K9OSC | 102,828 69,141 33,800 6,536 6,014 4,350 | 839 536 274 76 74 50 | (126) (141) (102) (0) (46) (50) | 57 57 52 43 31 29 |
| Maritime VO1AW | 3,425 | 48 | (41) | 25 |

| | | | | |
|---------|--------|-----|------|----|
| Quebec | | | | |
| *VE2EDK | 11,560 | 103 | (83) | 40 |
| VE2EDL | 10,212 | 92 | (92) | 37 |
| VE2ABO | 54 | 6 | (6) | 3 |

| | | | | |
|---------|--------|-----|-------|----|
| Ontario | | | | |
| *VE3KK | 19,926 | 164 | (158) | 41 |
| VE3BQL | 10,138 | 100 | (74) | 37 |
| VE3BXY | 6,400 | 80 | (0) | 40 |
| VE3IPS | 3,264 | 45 | (12) | 32 |

| | | | | |
|--------------|-------|----|------|----|
| Saskatchewan | | | | |
| VE5AGM | 5,346 | 54 | (54) | 33 |

| | | | | |
|------------------|--------|-----|-------|----|
| British Columbia | | | | |
| VE7SK | 72,561 | 553 | (167) | 57 |
| VE7IQ | 12,768 | 127 | (82) | 38 |

| | | | | |
|-----------|-------|----|-----|----|
| NWT-Yukon | | | | |
| VE8CM | 4,176 | 58 | (0) | 36 |

| | | | | |
|-----------------------------|-------|----|------|----|
| Asia | | | | |
| JH7WKQ | 3,042 | 39 | (39) | 26 |
| JA9YBA (JA9VDA, JH9OAM ops) | 72 | 6 | (0) | 6 |

| | | | | |
|--------|-------|----|------|----|
| Europe | | | | |
| LA8PF | 5,280 | 56 | (53) | 32 |
| EA4BVE | 56 | 7 | (7) | 4 |

| | | | | |
|---------------|-------|----|-----|----|
| South America | | | | |
| ZY4VD | 3,240 | 54 | (0) | 30 |

Check logs: W0ZYJ, K2AU.

NCCC

CQP

'87



APPLICATION FOR
WORKED ALL CALIFORNIA COUNTIES AWARD

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NORTHERN CALIFORNIA CONTEST CLUB

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| CONTRA COSTA | _____ | _____ | SAN BERNARDINO | _____ | _____ |
| DEL NORTE | _____ | _____ | SAN DIEGO | _____ | _____ |
| ELDORADO | _____ | _____ | SAN FRANCISCO | _____ | _____ |
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| LOS ANGELES | _____ | _____ | SOLANO | _____ | _____ |
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| MARIN | _____ | _____ | STANISLAUS | _____ | _____ |
| MARIPOSA | _____ | _____ | SUTTER | _____ | _____ |
| MENDOCINO | _____ | _____ | TEHAMA | _____ | _____ |
| MERCED | _____ | _____ | TRINITY | _____ | _____ |
| MODOC | _____ | _____ | TULARE | _____ | _____ |
| MONO | _____ | _____ | TUOLUMNE | _____ | _____ |
| MONTEREY | _____ | _____ | VENTURA | _____ | _____ |
| NAPA | _____ | _____ | YOLO | _____ | _____ |
| NEVADA | _____ | _____ | YUBA | _____ | _____ |

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1. Contacts may be made on any amateur radio band or mode. (NO repeater or digipeater contacts allowed.)
2. QSL cards for contacts made on or after October 1, 1987 may be submitted for the W.A.C.C. award.
3. A QSL card must be presented for each of the 58 counties.
4. Each QSL card must have the county claimed, printed or written, on the card by the person issuing the card.
5. All your contacts must be made from the same country.
6. Portable and Mobile units may be worked.
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MINUTES OF THE BOARD OF DIRECTORS MEETING

February 2, 1988

The meeting was held at the business QTH of NV6Z and was called to order at 19:45 local time. The reading of the minutes of the previous meeting held at the home of KA6ING was waived and accepted as published in the JUG.

Attendees were as follows: W6RGG, NV6Z, VE2AQS, K4UVT, WA6VEF and K6ZM.

The distribution of awards was discussed at length. K6ZM is to obtain the last missing information from W6MAP.

WA6VEF further defined the reasons for which the Contester of the Year award is given. K6ZM is to write some blurb in the JUG to request nominations for that award.

A lengthy discussions also took place concerning the Contest Club Special and Rookie awards. These awards are to be given at the next Christmas dinner.

The Election Nominating Committee, K6ZM and W6OAT (via W6RGG) reported the results of their search for new officers. The slate of officers and directors is to be prepared at the next BOD meeting on March 1, 1988.

The Election meeting will be held at Round Table Pizza on Castro Valley Boulevard at 7:30 p.m. on April 15. Everyone is requested to attend.

The questionnaire prepared by WZ6Z was reviewed and a few corrections were made. It is now ready for print and should be mailed very shortly.

The next BOD meeting is to be held at VE2AQS' QTH on March 1, 1988 at 6:30 p.m.

The schedule of coming events is as follows:

February 26 Villa Chartier
April 2 Awards Dinner, Hotel Pleasanton
April 15 Election Meeting

The meeting was adjourned at 21:45 p.m. local time.

FROM THE VP/CC . . .

Not too much to report this month -- have been very busy trying to get things together for the ARRL DX Contest as a major NCDXC effort. We had lots of stations in there busting the pile-ups! Although conditions were not the best, they are improving somewhat. Yours truly spent much time with the Great Kahuna, perfecting the Sunspot Dance, in an effort to insure the propagation gods would bless us with good conditions.

The ARRL DX is not a major NCCC effort, but it is for the NCDXC. So if you're a member of both clubs, we can sure use your score toward this effort! Thus far, the preliminary results look like about 12 Meg per weekend, for a tentative overall club entry score in the neighborhood of 24 Meg. We cleaned the Southern Cal clock pretty good in the CW weekend. But the SSB one may be close, so every point helps!

The CQ WW WPX Contest (SSB) is coming up on March 26-27, and should be a fun time (especially with all those weird new prefixes we've been hearing on the bands lately). For you RTTY types, watch for the GARTG RTTY Contest, Part 2, coming up April 9-10.

Here's the updated list for the 5 Meg Award -- Gary is STILL sitting up there all by his lonesome, although N6RO is in hot pursuit!! This list does not include all the scores from ARRL DX '88, so I expect next month's standing list will show several calls over the 5 MEG mark. Stay tuned!!

NCCC FIVE MILLION POINT AWARD STANDINGS

| | | | | |
|-----------|----------|-------|---------|---------|
| WA6VEF | 11400254 | ***** | | |
| N6RO | 4572141 | | W6REC | 1859717 |
| K6HNZ | 3857545 | | NU6S | 1677142 |
| W6GO | 2854116 | | W6BIP | 1591295 |
| AI6V | 2764378 | | WA6AUE | 1519109 |
| VE2AQS/W6 | 2695099 | | AJ6V | 1430041 |
| K3EST/6 | 2654525 | | NV6Z | 1323315 |
| KI6CG | 2624371 | | N6BV | 1251055 |
| WX6M | 2127417 | | N6CCL | 1217527 |
| K6TMB | 2046823 | | AG6D | 1201144 |
| N6EK | 1945581 | | KI6EZ | 1199609 |
| WC6H | 1937186 | | K6ZM | 1173856 |
| NC7K | 1922575 | | K4UVT/6 | 1110785 |
| W6FSJ | 1912140 | | N1EE | 1097783 |

| | |
|---------|---------|
| W6SZN | 1060004 |
| K6SIK | 1007466 |
| N6KT | 988083 |
| W6XX | 988083 |
| NB6L | 949566 |
| AK6T | 947590 |
| AD6E | 914374 |
| W6OAT | 907144 |
| WC6I | 906871 |
| WR6R | 898029 |
| W6BSY | 896538 |
| N6VV | 850072 |
| KS6H | 774238 |
| K6HIH | 709884 |
| K6XO | 708672 |
| N6GG | 674567 |
| NP4IW | 641749 |
| WZ6Z | 568539 |
| W6ISQ | 563402 |
| WE6G | 488105 |
| WB6MZQ | 436736 |
| K6LRN | 425870 |
| N6OM | 368416 |
| W6NWS | 365955 |
| K6RK | 283420 |
| K6WJ | 282384 |
| N6BT | 258738 |
| KN6K | 245797 |
| W6RGG | 213596 |
| W7XA | 198404 |
| K6KLY | 185389 |
| W6WB | 184920 |
| N6QR | 171171 |
| K4TKM/6 | 138120 |
| N6ZB | 136416 |
| K6CSL | 130574 |
| WA7NIN | 124616 |
| W6OSP | 113150 |
| W6RJ | 106600 |
| W6MFZ | 87968 |
| K6PU | 83985 |
| N6JM | 83015 |
| WW6F | 75362 |
| K6KM | 69018 |
| N6JV | 57942 |
| W6UA | 49134 |
| W6KZJ | 32980 |
| WA0YQM | 21976 |
| W6SYL | 15840 |
| K6MBV | 13298 |
| W6DPD | 11016 |
| K6MA | 6254 |
| N6BIS | 5550 |
| W6VG | 4556 |
| K6MO | 972 |

73 & KB.

Bob K4UVT/6

Have fun on the bands !!!

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